

Primer Walking

” Sample Submission Guide for the Primer Walking Sequencing Service

DNA CONCENTRATION & VOLUME

Service type	Sample type	Sample concentration	Total amount
Single strand	PCR Products	Min 30 ng/µl	Min 180 ng/kb
Double strand	PCR Products	Min 30 ng/µl	Min 360 ng/kb
Single strand	Plasmid DNA	Min 100 ng/µl	Min 600 ng/kb
Double strand	Plasmid DNA	Min 100 ng/µl	Min 1200 ng/kb

Please provide a minimum sample volume of 15 µl per sample.

Enclosed primer must have a concentration of 10 pmol / µl and a total volume of 15 µl (double distilled water or 5 mM Tris-HCl); 5 µl of primer is required for every additional sequencing reaction.

Quantify the DNA concentration via agarose gel or a photometer to ensure accurate results.

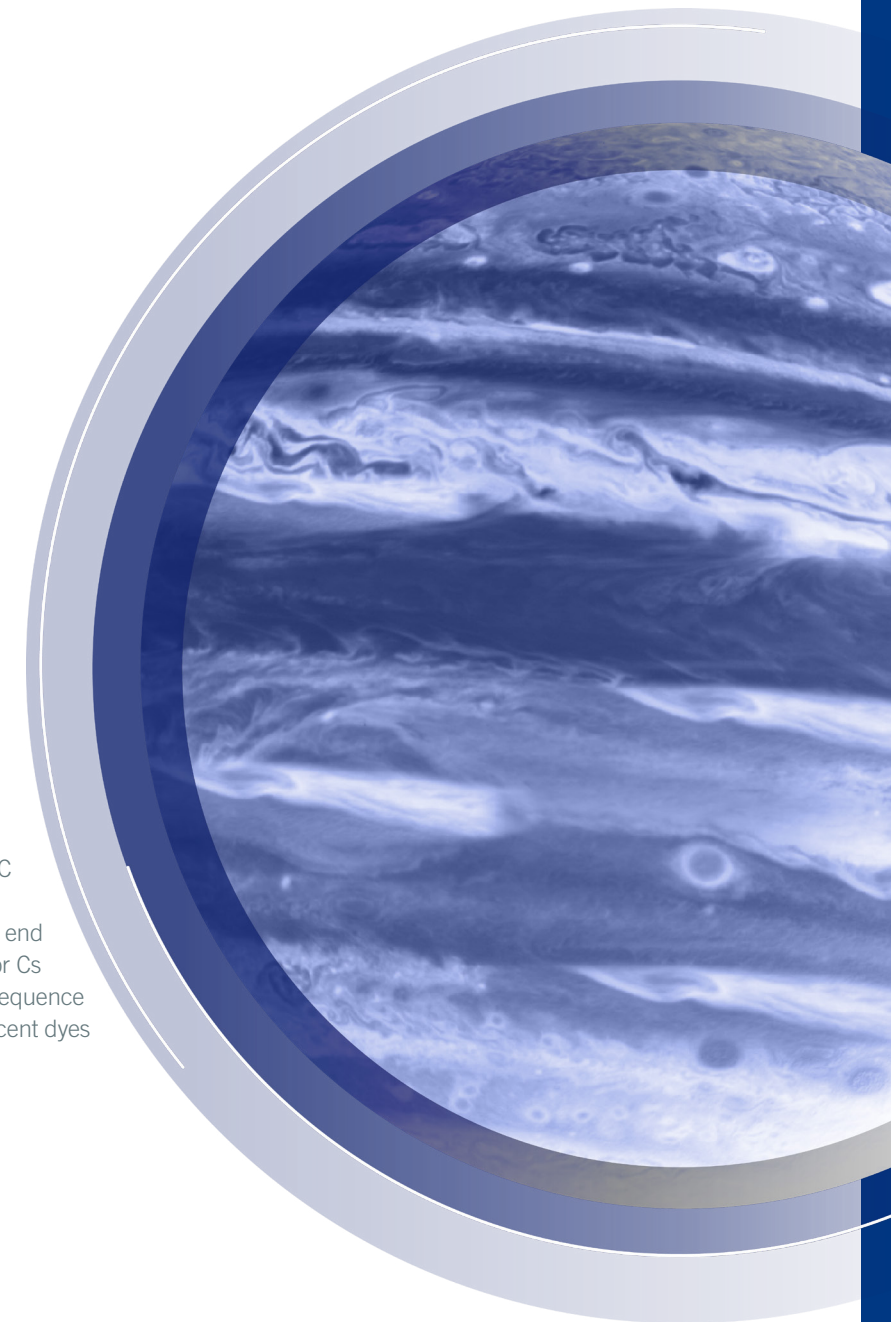
OPTIMUM PRIMER CONDITIONS

- The optimum primer length is 16-25 bases
- Primer melting temperature (T_m) should be 50-62° C
- The GC content of the primer should be 35-60 %
- Ideally one G or C should be located at the 3' primer end
- The number of 3' Gs or Cs should not exceed 2 Gs or Cs
- If possible, avoid >3 identical bases in a row in the sequence
- Primers must not contain phosphorylation or fluorescent dyes

Where to send samples

BY POST:

Eurofins Genomics Sequencing GmbH
Anzinger Str. 7a
85560 Ebersberg, Germany



Sample Preparation & Submission.

1.

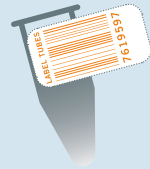


1. DEFINE REACTIONS

Login to your Eurofins Genomics account. Choose “Primer Walking” in the order menu.

Define your reactions on the order page and allocate the barcode ID of the Tube Label to your sample.

2.



2. PREPARE SAMPLES

Use 1.5ml safe-lock tubes. Affix the Tube Label on your sample tube.

Please don't use parafilm to seal your tubes!

3.



3. SUBMIT SAMPLES

Please ship your samples directly to our sequencing lab in Ebersberg.

Make sure to pack your samples safely.

4.



4. DOWNLOAD RESULTS

You will get informed once your data is ready to download from your Eurofins Genomics account.



Please note: Sending us a reference sequence speeds up project time and allows us to define multiple primers right from the start!

Additional Service & Information

» If you need barcodes for your sample tubes or enclosed primers, visit us [here](#)

» To order your perfect primer for PCR and sequencing, please [click here](#)

» Do you need boxes for safe shipment of your sample tubes? [Visit us here](#)



USE OUR FREE SEQUENCING PRIMER DESIGN TOOL TO DESIGN THE OPTIMUM SEQUENCING PRIMERS

If you search for the perfect sequencing primer, you will love our SeqPrimer and Standard Primer (incl. NightXpress shipping options). Test them with a 25,- Euro voucher (or equivalent national currency). Simply use the promotion code “OLIGOPLANET” during check-out.

